

## FEDERAL COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner  
 US Department of Commerce  
 United States Patent and Trademark  
 Office, PCT  
 2011 South Clark Place Room  
 CP2/5C24  
 Arlington, VA 22202  
 ETATS-UNIS D'AMERIQUE  
 in its capacity as elected Office

<b>Date of mailing (day/month/year)</b> 09 January 2001 (09.01.01)	
<b>International application No.</b> PCT/NO00/00116	<b>Applicant's or agent's file reference</b> P 8495
<b>International filing date (day/month/year)</b> 11 April 2000 (11.04.00)	<b>Priority date (day/month/year)</b> 19 April 1999 (19.04.99)
<b>Applicant</b> GUNTVEIT, Lars et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:  
 16 November 2000 (16.11.00)

☐ in a notice effecting later election filed with the International Bureau on:  
 \_\_\_\_\_

2. The election ☒ was  
☐ was not


made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

<b>The International Bureau of WIPO</b> 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	<b>Authorized officer</b> R. E. Stoffel Telephone No.: (41-22) 338.83.38
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REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only	
PCT/NO 007 001 16	International Application No.
11 APR. 2000	International Filing Date (11.04.00)
 <b>PATENTBYRÅ</b> Styret for det industrielle rettsvern PCT International application	
Name of receiving Office and "PCT International Application"	
Applicant's or agent's file reference (if desired) (12 characters maximum) P 8495	

<b>Box No. I TITLE OF INVENTION</b>	
A device for a pawn automat for bottles and boxes.	
<b>Box No. II APPLICANT</b>	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)  REPANT AS Baarsrudveien 2 N-3478 NÆRSNES	
<input type="checkbox"/> This person is also inventor.	
Telephone No.	
Facsimile No.	
Teleprinter No.	
State (that is, country) of nationality: NORWAY	State (that is, country) of residence: NORWAY
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input checked="" type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box	
<b>Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)</b>	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)  GUNTVEIT, Lars Nilsemarka 11B N-1390 VOLLEN	
This person is: <input type="checkbox"/> applicant only <input checked="" type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)	
State (that is, country) of nationality: NORWAY	State (that is, country) of residence: NORWAY
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input checked="" type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box	
<input checked="" type="checkbox"/> Further applicants and/or (further) inventors are indicated on a continuation sheet.	
<b>Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE</b>	
The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: <input checked="" type="checkbox"/> agent <input type="checkbox"/> common representative	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)  HÅMSØ PATENTBYRÅ ANS Eivind Håmsø, Odd Skjåveland, Gunnar Håmsø, Arnold Østvold, Borge Håmsø, Jostein Soppeland Box 171 N-4302 SANDNES NORWAY	
Telephone No. + 47 51 66 20 20	
Facsimile No. + 47 51 66 18 96	
Teleprinter No.	
<input type="checkbox"/> Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.	



Continuation of Box No. III		OTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)	
<i>If none of the following sub-boxes is used, this sheet should not be included in the request.</i>			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)  ANDERSEN, Niels Erik Sjøvollbukta 57 N-1390 VOLLEN		This person is: <input type="checkbox"/> applicant only <input checked="" type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)	
State (that is, country) of nationality: NORWAY		State (that is, country) of residence: NORWAY	
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input checked="" type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)		This person is: <input type="checkbox"/> applicant only <input type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)	
State (that is, country) of nationality:		State (that is, country) of residence:	
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)		This person is: <input type="checkbox"/> applicant only <input type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)	
State (that is, country) of nationality:		State (that is, country) of residence:	
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)		This person is: <input type="checkbox"/> applicant only <input type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)	
State (that is, country) of nationality:		State (that is, country) of residence:	
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)		This person is: <input type="checkbox"/> applicant only <input type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)	
State (that is, country) of nationality:		State (that is, country) of residence:	
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box			
<input type="checkbox"/> Further applicants and/or (further) inventors are indicated on another continuation sheet.			



## Box No.V DESIGNATION OF STATES

The following designations are hereby made under Rule 4.9(a) (mark the applicable check-boxes; at least one must be marked):

## Regional Patent

- ☒ AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT
- ☒ EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- ☒ EP European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- ☒ OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)

National Patent (if other kind of protection or treatment desired, specify on dotted line):

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> AE United Arab Emirates                  | <input checked="" type="checkbox"/> LR Liberia   |
| <input checked="" type="checkbox"/> AL Albania                               | <input checked="" type="checkbox"/> LS Lesotho   |
| <input checked="" type="checkbox"/> AM Armenia                               | <input checked="" type="checkbox"/> LT Lithuania   |
| <input checked="" type="checkbox"/> AT Austria and Utility Model             | <input checked="" type="checkbox"/> LU Luxembourg  |
| <input checked="" type="checkbox"/> AU Australia                             | <input checked="" type="checkbox"/> LV Latvia  |
| <input checked="" type="checkbox"/> AZ Azerbaijan                            | <input checked="" type="checkbox"/> MA Morocco   |
| <input checked="" type="checkbox"/> BA Bosnia and Herzegovina                | <input checked="" type="checkbox"/> MD Republic of Moldova   |
| <input checked="" type="checkbox"/> BB Barbados                              | <input checked="" type="checkbox"/> MG Madagascar  |
| <input checked="" type="checkbox"/> BG Bulgaria                              | <input checked="" type="checkbox"/> MK The former Yugoslav Republic of Macedonia                             |
| <input checked="" type="checkbox"/> BR Brazil                                | <input checked="" type="checkbox"/> MN Mongolia  |
| <input checked="" type="checkbox"/> BY Belarus                               | <input checked="" type="checkbox"/> MW Malawi  |
| <input checked="" type="checkbox"/> CA Canada                                | <input checked="" type="checkbox"/> MX Mexico  |
| <input checked="" type="checkbox"/> CH and LI Switzerland and Liechtenstein  | <input checked="" type="checkbox"/> NO Norway  |
| <input checked="" type="checkbox"/> CN China                                 | <input checked="" type="checkbox"/> NZ New Zealand   |
| <input checked="" type="checkbox"/> CR Costa Rica                            | <input checked="" type="checkbox"/> PL Poland  |
| <input checked="" type="checkbox"/> CU Cuba                                  | <input checked="" type="checkbox"/> PT Portugal  |
| <input checked="" type="checkbox"/> CZ Czech Republic and Utility Model      | <input checked="" type="checkbox"/> RO Romania   |
| <input checked="" type="checkbox"/> DE Germany and Utility Model             | <input checked="" type="checkbox"/> RU Russian Federation  |
| <input checked="" type="checkbox"/> DK Denmark and Utility Model             | <input checked="" type="checkbox"/> SD Sudan   |
| <input checked="" type="checkbox"/> DM Dominica                              | <input checked="" type="checkbox"/> SE Sweden  |
| <input checked="" type="checkbox"/> EE Estonia and Utility Model             | <input checked="" type="checkbox"/> SG Singapore   |
| <input checked="" type="checkbox"/> ES Spain                                 | <input checked="" type="checkbox"/> SI Slovenia  |
| <input checked="" type="checkbox"/> FI Finland and Utility Model             | <input checked="" type="checkbox"/> SK Slovakia and Utility Model  |
| <input checked="" type="checkbox"/> GB United Kingdom                        | <input checked="" type="checkbox"/> SL Sierra Leone  |
| <input checked="" type="checkbox"/> GD Grenada                               | <input checked="" type="checkbox"/> TJ Tajikistan  |
| <input checked="" type="checkbox"/> GE Georgia                               | <input checked="" type="checkbox"/> TM Turkmenistan  |
| <input checked="" type="checkbox"/> GH Ghana                                 | <input checked="" type="checkbox"/> TR Turkey  |
| <input checked="" type="checkbox"/> GM Gambia                                | <input checked="" type="checkbox"/> TT Trinidad and Tobago   |
| <input checked="" type="checkbox"/> HR Croatia                               | <input checked="" type="checkbox"/> TZ United Republic of Tanzania   |
| <input checked="" type="checkbox"/> HU Hungary                               | <input checked="" type="checkbox"/> UA Ukraine   |
| <input checked="" type="checkbox"/> ID Indonesia                             | <input checked="" type="checkbox"/> UG Uganda  |
| <input checked="" type="checkbox"/> IL Israel                                | <input checked="" type="checkbox"/> US United States of America  |
| <input checked="" type="checkbox"/> IN India                                 | <input checked="" type="checkbox"/> UZ Uzbekistan  |
| <input checked="" type="checkbox"/> IS Iceland                               | <input checked="" type="checkbox"/> VN Viet Nam  |
| <input checked="" type="checkbox"/> JP Japan                                 | <input checked="" type="checkbox"/> YU Yugoslavia  |
| <input checked="" type="checkbox"/> KE Kenya                                 | <input checked="" type="checkbox"/> ZA South Africa  |
| <input checked="" type="checkbox"/> KG Kyrgyzstan                            | <input checked="" type="checkbox"/> ZW Zimbabwe  |
| <input checked="" type="checkbox"/> KP Democratic People's Republic of Korea |  |
| <input checked="" type="checkbox"/> KR Republic of Korea                     | Check-boxes reserved for designating States which have become party to the PCT after issuance of this sheet: |
| <input checked="" type="checkbox"/> KZ Kazakhstan                            | <input checked="" type="checkbox"/> DZ Algeria   |
| <input checked="" type="checkbox"/> LC Saint Lucia                           | <input checked="" type="checkbox"/> AG Antigua and Barbuda   |
| <input checked="" type="checkbox"/> LK Sri Lanka                             |  |

**Precautionary Designation Statement:** In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)



Box No. VI PRIORITY CLAIM		<input type="checkbox"/> Further priority claims stated in the Supplemental Box.		
Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country	regional application: regional Office	international application: receiving Office
item (1) (19.04.99) 19 April 1999	19991853	Norway		
item (2)				
item (3)				

☒ The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of the present international application is the receiving Office) identified above as item(s): (1)

\* Where the earlier application is an ARIPO application, it is mandatory to indicate in the Supplemental Box at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed (Rule 4.10(b)(ii)). See Supplemental Box.

## Box No. VII INTERNATIONAL SEARCHING AUTHORITY

Choice of International Searching Authority (ISA)  
(if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA/SE

Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):

Date (day/month/year)

Number

Country (or regional Office)

## Box No. VIII CHECK LIST; LANGUAGE OF FILING

This international application contains the following number of sheets:

request : 4  
description (excluding sequence listing part) : 5  
claims : 1  
abstract : 1  
drawings : 2  
sequence listing part of description :  
Total number of sheets : 13

This international application is accompanied by the item(s) marked below:

1. ☒ fee calculation sheet
2. ☒ separate signed power of attorney
3. ☐ copy of general power of attorney; reference number, if any:
4. ☐ statement explaining lack of signature
5. ☐ priority document(s) identified in Box No. VI as item(s):
6. ☐ translation of international application into (language):
7. ☐ separate indications concerning deposited microorganism or other biological material
8. ☐ nucleotide and/or amino acid sequence listing in computer readable form
9. ☒ other (specify): Off. Action of 3 June 1999

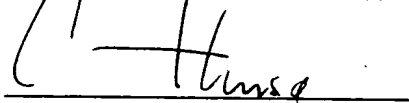
Figure of the drawings which should accompany the abstract: 2

Language of filing of the international application: Norwegian

## Box No. IX SIGNATURE OF APPLICANT OR AGENT

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).

HÅMSØ PATENTBYRÅ ANS



Gunnar Håmsø

For receiving Office use only

1. Date of actual receipt of the purported international application: 1. APR. 2000 (11.04.00)	2. Drawings: <input checked="" type="checkbox"/> received: <input type="checkbox"/> not received:
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:	
4. Date of timely receipt of the required corrections under PCT Article 11(2):	
5. International Searching Authority (if two or more are competent): ISA/SE	6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid.

For International Bureau use only

Date of receipt of the record copy by the International Bureau: 02 MAY 2000 (02.05.00)



1/2

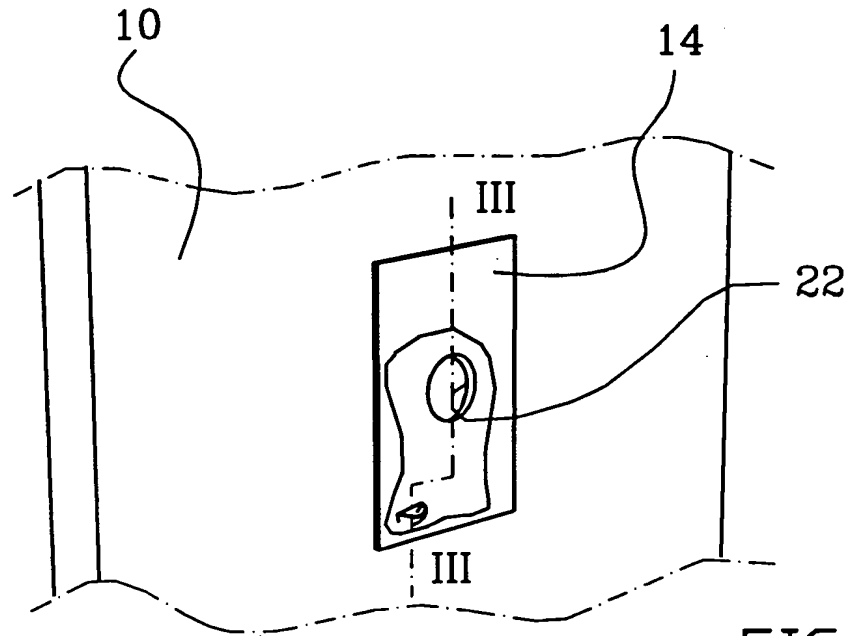


FIG. 1

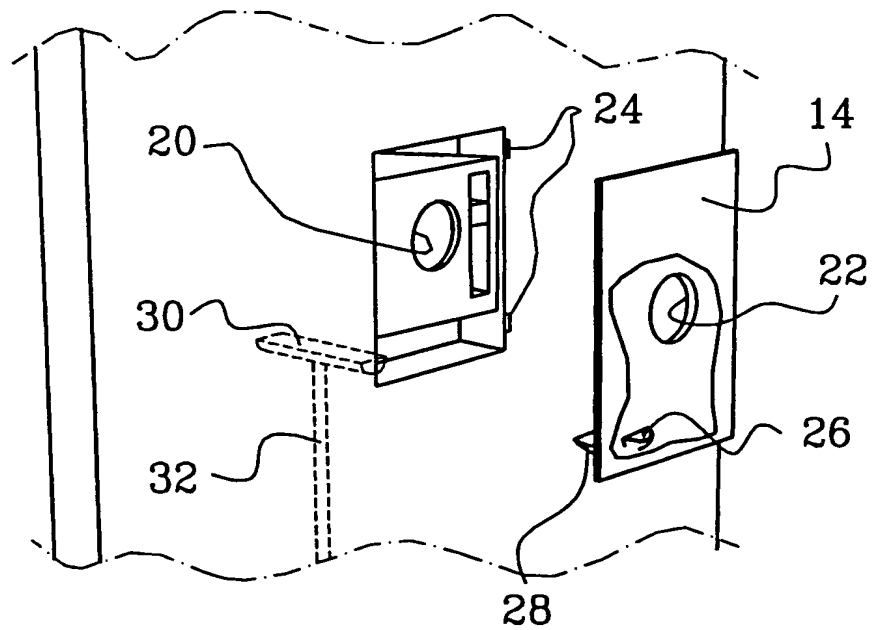


FIG. 2



2/2

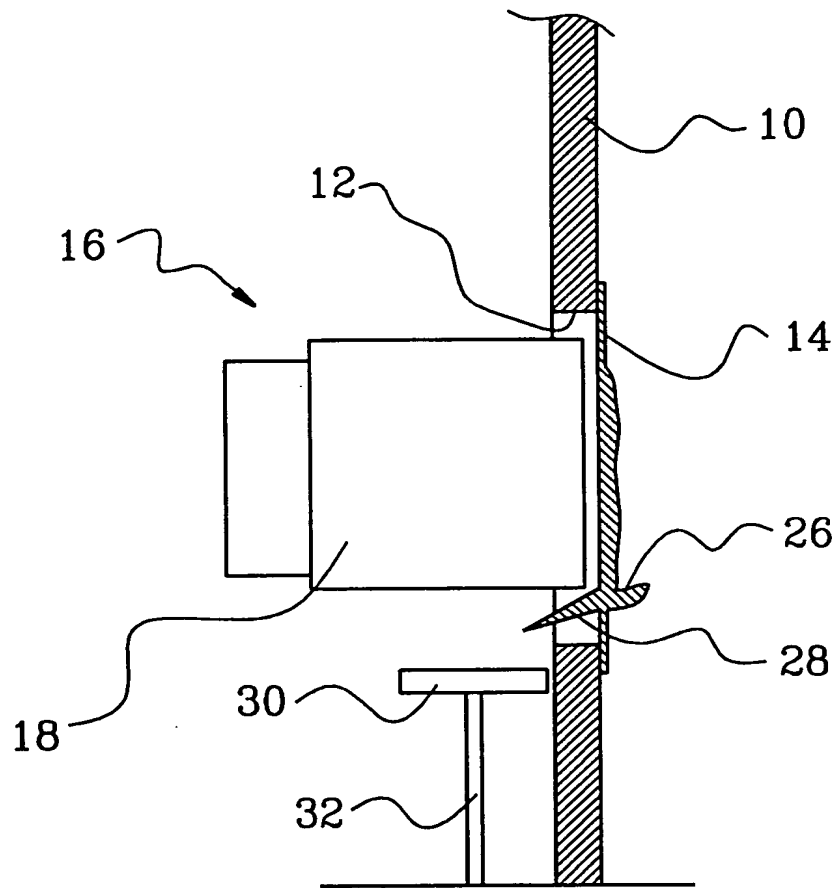


FIG. 3



## ANORDNING VED PANTEAUTOMAT FOR FLASKER OG BOKSER

Denne oppfinnelse vedrører panteautomater og går nærmere bestemt ut på en anordning ved en panteautomat for flasker og/eller bokser, hvor automatkonstruksjonen har et frontstykke som er utformet med et gjennomgående hull for flaskene og boksene og som dekker de bakenforliggende mekanismer som håndterer flasker og bokser som blir levert igjennom innløps-  
5 hullet; beregner deres antall og type samt regner ut og leverer tilbake til kunden en lapp med angivelse av det beløp man  
10 har til gode.

Disse flasker og bokser som vanlige panteautomater tar imot, har i alt vesentlig tjenestegjort som beholdere for drikker, og det er ganske alminnelig at disse inneholder skvetter som man ikke ønsker skal følge flasken eller boksen inn i auto-  
15 matstrukturen.

Det er derfor i nærheten av panteautomater av denne type ofte plassert en utslagsvask hvor flasker og bokser som måtte inneholde rester av drikker, kan bli tømt før flaskene og boksene anbringes i panteautomaten.



Det er imidlertid kostbart å installere en egen utslagsvask ved hver panteautomat. Utslagsvasken vil sjelden passe inn i butikkens umiddelbare omgivelser, og, selv om utslagsvasken blir plassert i nærheten av panteautomaten, vil selv en relativt liten avstand medføre at tømmingen av flasker og bokser vil bli betraktet som en særskilt operasjon som i betydelig grad sinker flaskepantingen.

En annen ulempe med panteautomater av angjeldende art er at demonteringen av automatkonstruksjonen er relativt komplisert, idet enkeltdeler er bygget sammen og fastgjort til hverandre, slik at man ofte må igangsette demontering fra baksiden, altså motsatt automatens innføringshull for flasker og bokser.

Formålet med den foreliggende oppfinnelse har derfor vært, med enkle og billige midler, å avhjelpe eller i betydelig grad redusere disse ulemper og mangler.

Ifølge oppfinnelsen er nevnte formål realisert ved at panteautomaten er utformet og innrettet i overensstemmelse med de angivelser som fremgår av den karakteriserende del av patentkrav 1.

Ifølge den foreliggende oppfinnelse er panteautomatens frontdeksel utformet med et eget tømmehull for slanter i nærheten av flaske-/boks-innføringshullet som er uten forbindelse med innenfor beliggende faste opplegg i form av skjøtede rør og rørbend, idet tømmehullet eventuelt kan være forsynt med en skål med en fritt endende bakenforliggende tømmeuss som kan munne ut over en innenfor beliggende, fast avløpsrenne med eget utløp, men uten forbindelse med frontdekselet.

Avløpsrennen kan hensiktsmessig plasseres under så vel flaskeinnføringsåpningen som tømmehullet for slanter, slik at og-



så eventuelle igjenværende rester av drikker fra flasker og bokser som er ført igjennom innføringsåpningen, vil kunne havne i avløpsrennen og derfra i utløpet. Avløpsrenne med utløp virker således som en dreneringsanordning for hele panteautomatkonstruksjonen.

Ifølge oppfinnelsen oppnår man således en rimeligere og mer hensiktsmessig plassering av tømme- og slantere, samtidig som panteautomatens frontdeksel kan henges for full avdekking av panteautomatens innvendige mekanismer, for eksempel i reparasjons- eller vedlikeholds-øyemed. En slik konstruksjonsløsning hvor frontdekselet er helt uten forbindelse med faste opplegg i form av rørsystemer etc. er fordelaktig ved reparasjoner på automatkonstruksjonen. Frontdekselets hengsler kan være delbare, og frontdekselet kan forsynes med en låseanordning.

Et ikke-begrensende eksempel på en foretrukket utførelsesform forklares i det etterfølgende under henvisning til medfølgende tegninger, hvor:

Fig. 1 viser et delriss av en vegg i hvilken en panteautomat er montert, her representert ved frontdekselet;

Fig. 2 viser et motsvarende splittriss hvor det samme frontdeksel er trukket rett ut fra veggen; og

Fig. 3 er et vertikalsnitt III-III igjennom veggen og panteautomaten i noe større målestokk.

På tegningene betegner henvisningstallet 10 en vegg som har en gjennomgående, for eksempel rektangulær utsparring 12, fig. 3, som er litt mindre enn et frontdeksel 14 av plast som inngår i en panteautomat 16 hvis apparatur er kjent og inngår hovedsakelig i et hus 18, hvis fremre parti strekker seg del-



vis inn i veggens 10 utsparing 12, hvor et hull 20 korresponderer med frontdekslets 14 innføringshull 22 for flasker og bokser.

5 Panteautomatens 16 flaske- og bokshåndteringsutstyr og elektronikk for beregning av pantebeløp er velkjent i forbindelse med slike panteautomater og utgjør ikke gjenstand for den foreliggende oppfinnelse, som i det vesentlige har tilknytning til frontdekselet 14.

10 Ifølge oppfinnelsen er dette frontdeksel 14, som er festet til veggen 10, eller direkte til huset 18, ved hjelp av hengsler 24, nedenfor flaske/boks-innføringshullet 22 utstyrt med et gjennomgående hull med en underliggende, oppad åpen skål 26 som ved frontdekselets 14 bakside går over i en bakenforliggende tømmestuss 28. Skålen 26 muliggjør tømming av  
15 rester av drikker fra flasker og bokser i innføringshullets 22 umiddelbare nærhet, og forenkler arbeidsoperasjonene, spesielt i forbindelse med mange flasker og/eller bokser, hvor man tidligere ved bruk av en særskilt utslagsvask måtte underkaste et visst antall flasker først én type operasjon  
20 (tømming av slanter) for deretter å underkaste de samme flasker hovedoperasjonen (innstikkingen i panteautomaten). Nå kan hver flaske med slant først tømmes og deretter umiddelbart stikkes inn i innføringshullet 22.

25 Innføringshullet 22 har ingen forbindelse med panteautomatens indre apparatur 16,18. Det samme er tilfelle med tømmestussen 28, hvis frie endeåpning munner ut over en fast, oppad åpen, tverrgående avløpsrenne 30.

30 Avløpsrennen 30 strekker seg fortrinnsvis horisontalt under panteautomatens indre apparatur 16,18, slik at enhver type væske fra flasker og bokser som måtte renne nedover i området bakenfor frontdekselet, vil kunne havne i denne avløpsrenne



30 som er tilsluttet et eget utløp 32. Det er fordelaktig at frontdekselet 14 er uten fast forbindelse med faste opplegg, rør, ledninger etc., slik at det kan åpnes og eventuelt løftes av hengslene 24 for avdekking av panteautomatens indre mekanismer og apparatur etter at en eventuell låseanordning er låst opp.



## P a t e n t k r a v

1. Anordning ved panteautomat for flasker og bokser, utstyrt med et utenfra tilgjengelig innføringshull (22) igjennom hvilket flaskene og boksene føres inn i panteautomaten  
5 (14,16,18), k a r a k t e r i s e r t v e d a t p a n t e -  
automatens (14, 16,18) frontparti i form av et deksel  
(14) er utformet befestigelsesuavhengig av panteautoma-  
tens innvendige flaske/boks-håndteringsanordning og annen  
apparatut (16,18), idet frontdekselets (14) innførings-  
10 hull (22) for flasker og bokser er uten fast forbindelse  
med innenfor beliggende røropplegg etc. og at det, for-  
trinnsvis nedenfor nevnte innføringshull (22), i front-  
dekselet (14) er utformet en gjennomgående åpning (26)  
for tømning av slanter fra flasker eller bokser før de  
15 stikkes inn i panteautomaten (14,16,18) igjennom front-  
dekselets (14) innføringshull (22) og en korresponder-  
ende, innenfor beliggende åpning (20) i panteautomatens  
innvendige flaske/boks-håndteringsanordning.
2. Anordning ifølge krav 1, k a r a k t e r i s e r t  
20 v e d a t t ø m m e å p n i n g e n (26) for slanter i front-  
dekselet (14) er utformet i en oppad åpen skål hvis  
åpning ved frontdekselets (14) bakside munner ut i en  
tømmestuss (28).
3. Anordning ifølge krav 2, k a r a k t e r i s e r t  
25 v e d a t d e t i n n e n f o r f r o n t d e k s e l e t (14), nedenfor  
tømmestussens (28) utløpsåpning, er anordnet en for-  
trinnsvis oppad åpen avløpsrenne (30).
4. Anordning ifølge krav 3, k a r a k t e r i s e r t  
30 v e d a t a v l ø p s r e n n e n (30) har et stort sett horisontalt  
forløp og er tilsluttet et utløp (32).



## S a m m e n d r a g

I en panteautomat er frontdekselets (14) innføringshull (22) for flasker og bokser uten fast forbindelse med røropplegg etc. Samtidig er en slant-tømmeåpning (26) utformet i frontdekselet (14) i form av en skål som på baksiden av frontdekselet går over i en tømmeåpning (28) som befinner seg over en oppad åpen avløpsrenne (30) i automatens indre, uten fast forbindelse mellom rørstuss (28) og renne (30). Frontdekselet er eventuelt låsbart og kan åpnes til siden ved hjelp av hengsler (24), hvorved panteautomatens indre avdekkes for tilsyn, vedlikehold eller reparasjon.

(Fig. 2)



## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

REC'D 19 JUL 2001  
WIPO PCT

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Applicant's or agent's file reference P 8495	<b>FOR FURTHER ACTION</b>	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/NO00/00116	International filing date (day/month/year) 11.04.2000	Priority date (day/month/year) 19.04.1999
International Patent Classification (IPC) or national classification and IPC7 G07C 7/06		
Applicant Repant AS et al		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 3 sheets, including this cover sheet.
- ☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of \_\_\_\_\_ sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 16.11.2000	Date of completion of this report 10.07.2001
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. 08-667 72 88	Authorized officer Inger Löfving / JA A Telephone No. 08-782 25 00



## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/NO00/00116

## I. Basis of the report

## 1. With regard to the elements of the international application:\*

- ☒ the international application as originally filed
- ☐ the description:  
pages \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the claims:  
pages \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, as amended (together with any statement) under article 19  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the drawings:  
pages \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the sequence listing part of the description:  
pages \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

## 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language english which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☒ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

## 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheet/fig \_\_\_\_\_

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2 (c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.



# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/NO00/00116

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

### 1. Statement

Novelty (N)	Claims	<u>1-4</u>	YES
	Claims		NO
Inventive step (IS)	Claims	<u>1-4</u>	YES
	Claims		NO
Industrial applicability (IA)	Claims	<u>1-4</u>	YES
	Claims		NO

### 2. Citations and explanations (Rule 70.7)

The invention refers to a device by a reverse vending machine for bottles and cans, provided with a feed opening accessible from outside. Preferably below said feed opening is formed an opening for the emptying of remnants from the bottles or cans.

Cited documents:

D1: DE 29706654 U1  
D2: GB 2263418 A  
D3: DE 9321439 U1

None of the documents above shows an arrangement as claimed in claims 1 - 4. Furthermore, it is not considered obvious to a person skilled in the art to create such an arrangement with features claimed in these claims. Therefore, the subject matter of these claims fulfils the requirements of novelty, inventive step and industrial applicability according to PCT Article 33 (2, 3, 4).